1. INTRODUCTION

Introduction

EZ Grabber is a capture equipment specified designed for capturing MPEG, which transmit screened important images to HDD by connection of AV and S-Video with high resolution as 720*576. You can edit valuable DV/Digital 8 video recorder, Vidicon, VCR, DVD and camera to burn VCD, SVCD, DVD, MPEG4, AVI formats directly.

1.1 Features and application

Features:
- Small size
- Use newest USB2.0 chipset which provides high data transmit rate to ensure video and audio work long at the same time
- Powerful functions, installation easily with USB power
- Compatible with all laptop, LCD and USB2.0 port
- Supply many kinds of capture formats and MPEG models to make VCD, DVD, WMV convenient and easy to release on internet
- Supply multi-video and S-video inputs.
- Deluxe User Interface, software make you do film DIY more easily

1.2 Application scope:
- Internet video meeting
- Video phone
- Video-audio animation transcribing and editing
- Make VCD, DVD and Website
- Enterprise bulletin and advertisement

1.3 System requirement

System requirement
- Inter Pentium4 1.4G CPU, recommended Pentium4 2.0G or higher
- RMA is 128M at least, recommend 256M or higher
- A high speed USB2.0 interface
- VGA card supports DirectX9.0
- CD-ROM (for installation)
- 300MB HD space (install driver and application, like EZ Grabber), 600MB to 3GB per hour for recording

1.4 Contents

EZ Grabber box
- AV cable 3-3
- Software CD
- Ulead Video Studio 9 SE DVD (Optional)

1.5 EZ Grabber Connection

![EZ Grabber Connection Diagram]
2. Driver and Application Installation

Step1: OS will remind a new hardware-- “New Hardware Device” was found. Please choose “Cancel”.

Step2: When CD is inserted, OS will guide you to the setup automatically. Click “Driver Install” or run Drive\Setup.exe,

Step3: Click “next” to continue installation
Step 4: Click “Install” to continue installation driver

Step 5: OS will promote to install devices. Click “Continue Anyway” (Only Windows XP)
Step 6: Click “Finish” to completely install the Driver Software

Step 7: Click “Software Install” or run “EZ Grabber\Setup.exe” to install application, choose your favorite language.

Step 8: Please make sure DirectX9.0 installed before application installation. If not, system will prompt install it automatically.
Step 9: After that, click “next”.

Step 10: Choose install the components, and click “Next”.
Step 11: Prepare to install EZ Grabber click “next”

Step 142: Auto promote install “Windows Media Format9”, and click “Yes”. (Only Windows XP)

Step 13: Click “Yes” to continue “Windows Media Format9” installation. (Only Windows XP)
Step 14: System will prompt that system will restart, please click "Finish".

Step 15: Icon on your desktop

EZ Grabber

Step 16: When all finished, please check on open the control panel, select “System”, select "system properties", select “Device Manager”, you can see four new device drivers installed.
USB2.0 Video Device
3. EZ Grabber Application
Main user Interface

<table>
<thead>
<tr>
<th>NO</th>
<th>Description</th>
<th>NO</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Status</td>
<td>9</td>
<td>Play recorded files</td>
</tr>
<tr>
<td>2</td>
<td>Setting Setup menu</td>
<td>10</td>
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<td>3</td>
<td>Snapshot</td>
<td>11</td>
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<td>4</td>
<td>Start to record</td>
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<td>Shift stereo</td>
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<td>5</td>
<td>Stop record</td>
<td>13</td>
<td>Back forward</td>
</tr>
<tr>
<td>6</td>
<td>Fast forward</td>
<td>14</td>
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</tr>
<tr>
<td>7</td>
<td>Back forward</td>
<td>15</td>
<td>Minimize</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Full screen : Window and video</td>
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<tr>
<td></td>
<td></td>
<td></td>
<td>desktop switch</td>
</tr>
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<td></td>
<td></td>
<td></td>
<td>About: Show version and copyright.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Exit EZ Grabber</td>
</tr>
</tbody>
</table>

3.1 Setting

Press on panel, then you can adjust any function
3.1.1 Video source, you can set video system and video source.
Video system as NTSC or PAL. Normally, device can choose the video system as signal. Video source as Video Composite and S-Video. Default is Video Composite.

3.1.2 Color setting
You can change brightness, contrast, Hue, saturation and sharpness.
Press “Default” to return default status

3.1.3 Capture button Optional
Snapshot: Capture picture.
Capture video: Capture video files.

3.1.4 Snapshot Optional

BMP: BMP file format.
JPG: JPEG file format.
Change destination directory for snapshot. Click “browse”

3.1.5 Video formats as DVD, SVCD, VCD, MPEG4, AVI, WMV, WMA and MP3.
Default is VCD.
Change destination directory for video file and snapshot. Click “browse”

4. Mouse Right Click
   4.1 Most top
      The TV Window always on the top
   4.2 Full screen mode
      Enlarge the window to full screen, double click on the screen will return to window mode
   4.3 Display control panel
   Display /hide EZ Grabber
4.4 Video input
   Select video source
   There are two choices: Video Composite and S-Video. Default is Video Composite.
   Video Composite
   Video Svideo

4.5 Video model
   Change the video format to PAL/NTSC/SECAM

4.6 Record
   You can record live TV program, the gray status mean unavailable
5. Use EZ Grabber

5.1 Record
EZ Grabber is an application for live program or audio recording, supports MPEG-1 and MPEG-2, to save much space.

5.1.1 Record:

Press [button to start recording, press [button to stop it. EZ Grabber save file as default.

5.1.2 Status window
EZ Grabber show the status of application.

5.1.3 Recording space
Disk space depends on the format when you are recording. There is some information for you reference.

<table>
<thead>
<tr>
<th>Format</th>
<th>Resolution</th>
<th>Video bit rate (Mbps)</th>
<th>Audio bit rate (Kbps)</th>
<th>Disk Space</th>
</tr>
</thead>
<tbody>
<tr>
<td>NTSC DVD</td>
<td>720*480</td>
<td>6</td>
<td>224</td>
<td>2.6GB/hr</td>
</tr>
<tr>
<td>NTSC SVCD</td>
<td>480*480</td>
<td>2.42</td>
<td>224</td>
<td>1GB/hr</td>
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<tr>
<td>NTSC VCD</td>
<td>320*240</td>
<td>1.15</td>
<td>224</td>
<td>600MB/hr</td>
</tr>
<tr>
<td>PAL DVD</td>
<td>720*576</td>
<td>6</td>
<td>224</td>
<td>2.6GB/hr</td>
</tr>
<tr>
<td>PAL SVCD</td>
<td>480*576</td>
<td>2.42</td>
<td>224</td>
<td>1GB/hr</td>
</tr>
<tr>
<td>PAL VCD</td>
<td>352*288</td>
<td>1.15</td>
<td>224</td>
<td>600MB/hr</td>
</tr>
<tr>
<td>AVI</td>
<td>352*288</td>
<td></td>
<td>224</td>
<td></td>
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<td>MPEG-4</td>
<td>352*288</td>
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<tr>
<td>WMV</td>
<td>352*288</td>
<td>1.2</td>
<td>224</td>
<td>Around 650MB/hr</td>
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<tr>
<td>MP3</td>
<td></td>
<td></td>
<td>224</td>
<td></td>
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<tr>
<td>WMA</td>
<td></td>
<td></td>
<td>224</td>
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</tbody>
</table>

5.2 Snapshot

When watching press [button to capture the picture and save as .bmp format. After pressing snapshot button, software will save still image automatically.

5.3 Video playing
EZ Grabber will play the recorded video files you made it before.

5.3.1 Click [button to choose your favorite program and playing, double click or click “Open” on right click of mouse.
5.3.2 Status window will inform you the living program information when playing.

5.4 About EZ Grabber

Click “about” or on right-click of mouse to show EZ Grabber version.